

Figure 18. Compilation of March, dolphin aerial survey data, for the past five years in the Venice Inlet area.

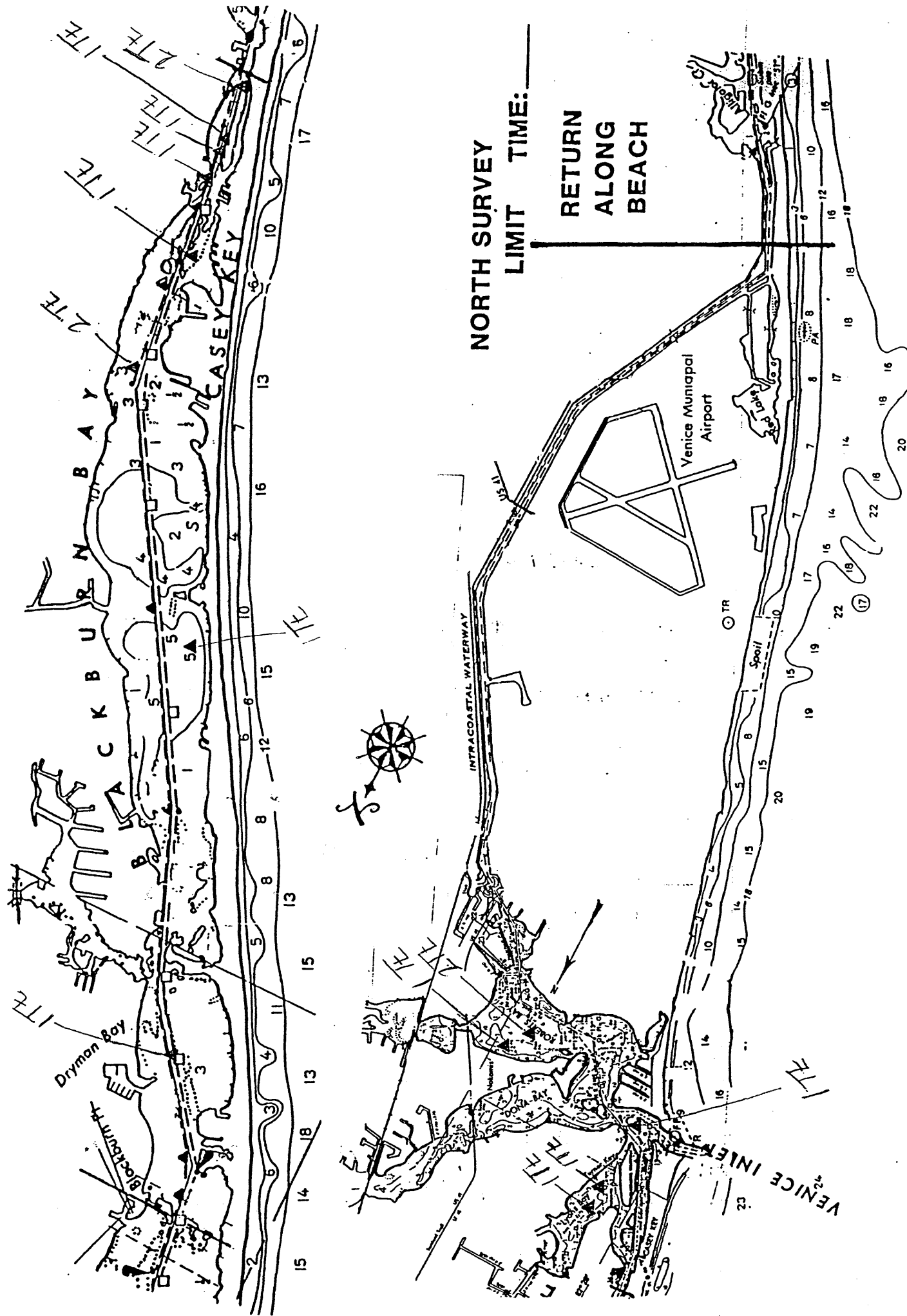


Figure 19. Compilation of April, dolphin aerial survey data, for the past five years in the Venice Inlet area.

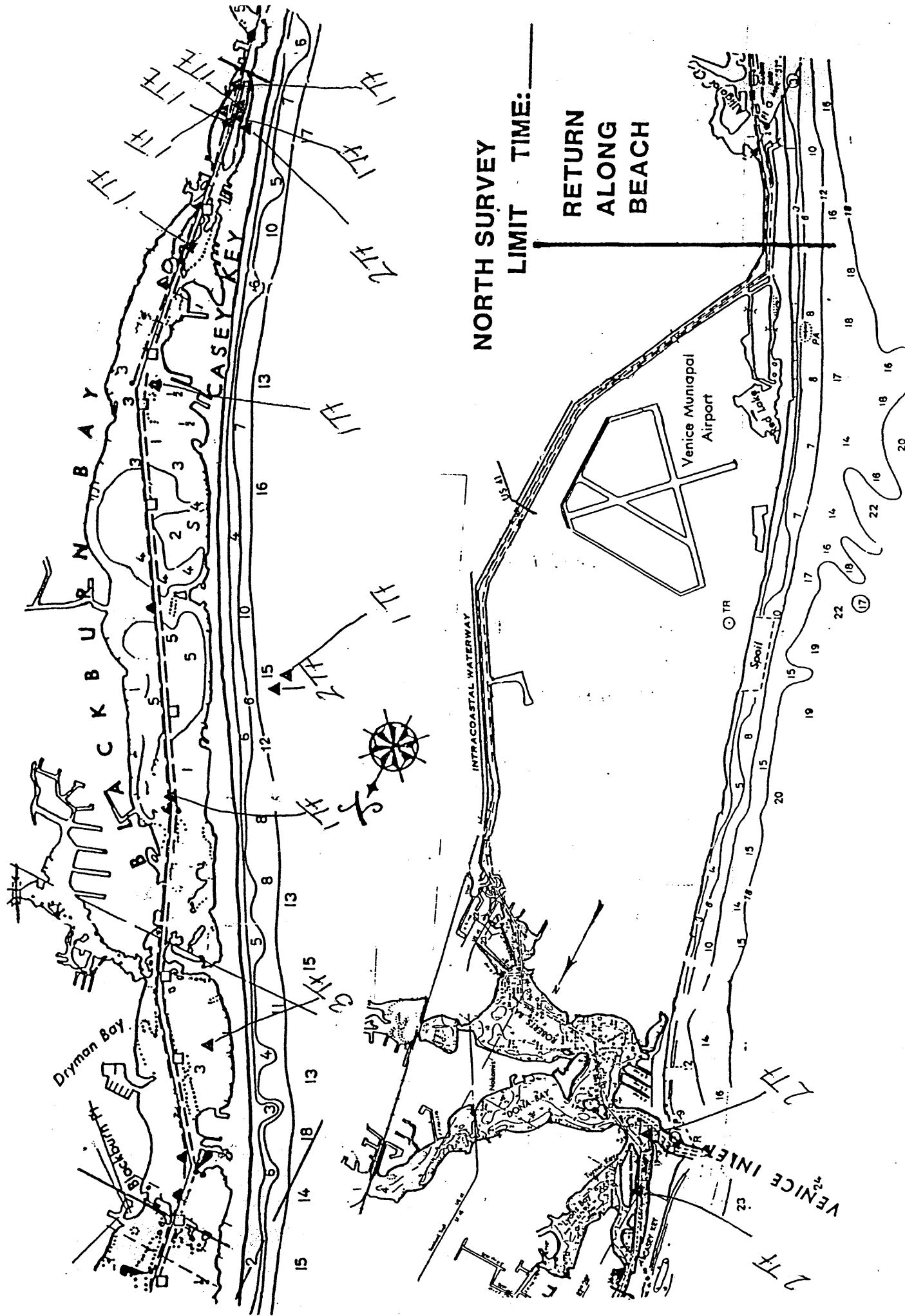


Figure 20. Compilation of May, dolphin aerial survey data, for the past five years in the Venice Inlet area.

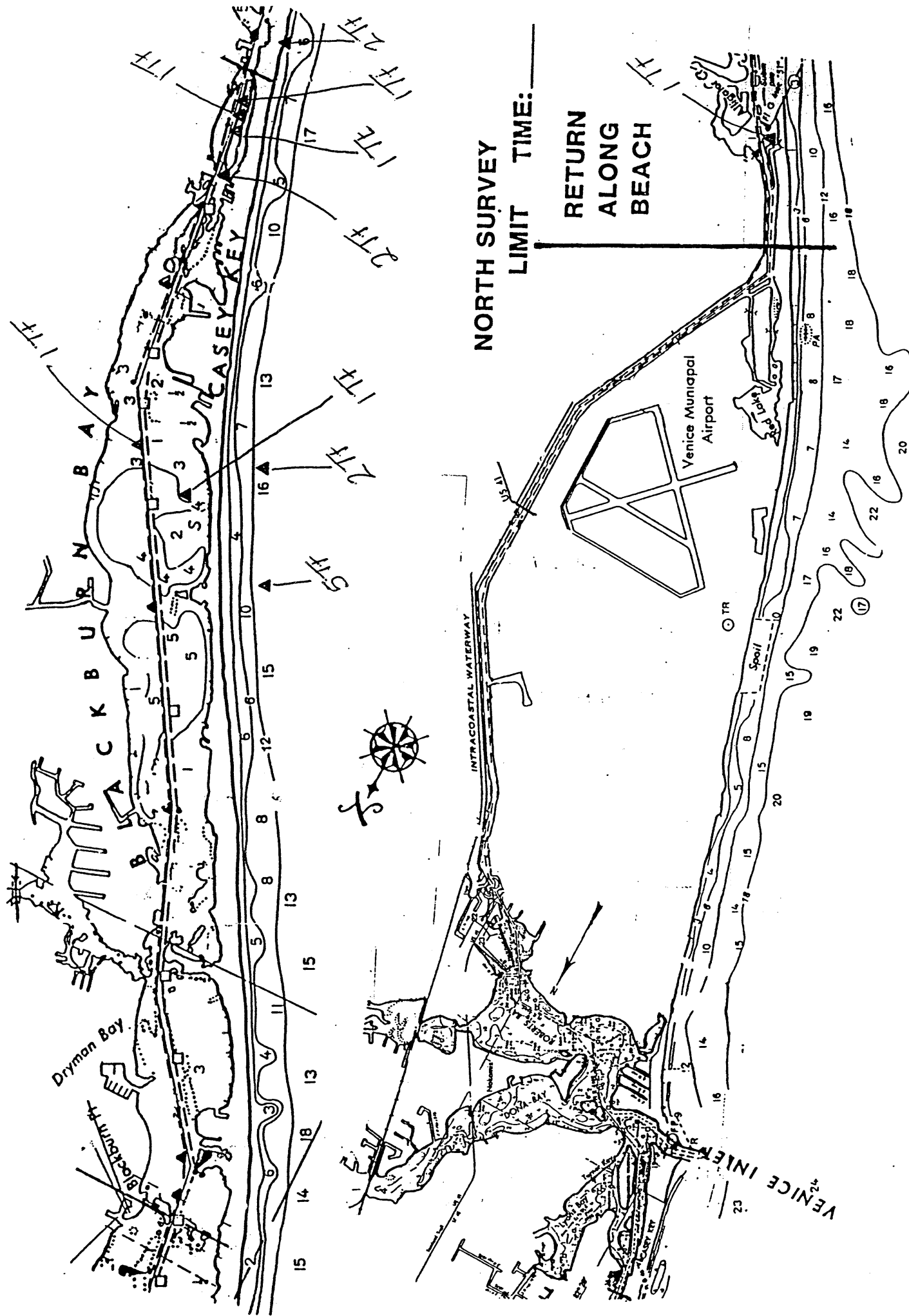


Figure 21. Compilation of June, dolphin aerial survey data, for the past five years in the Venice Inlet area.

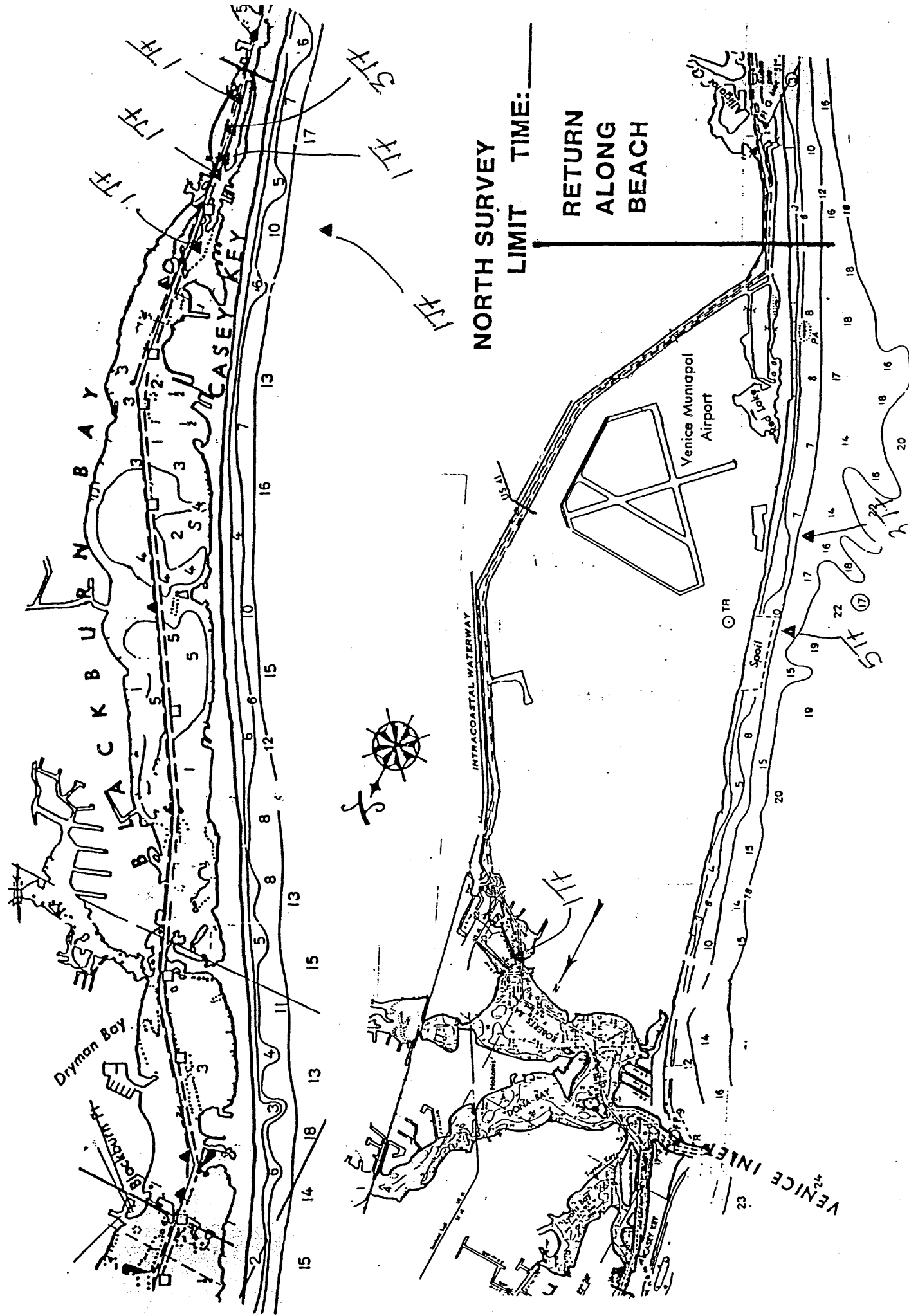


Figure 22. Compilation of July, dolphin aerial survey data, for the past five years in the Venice Inlet area.

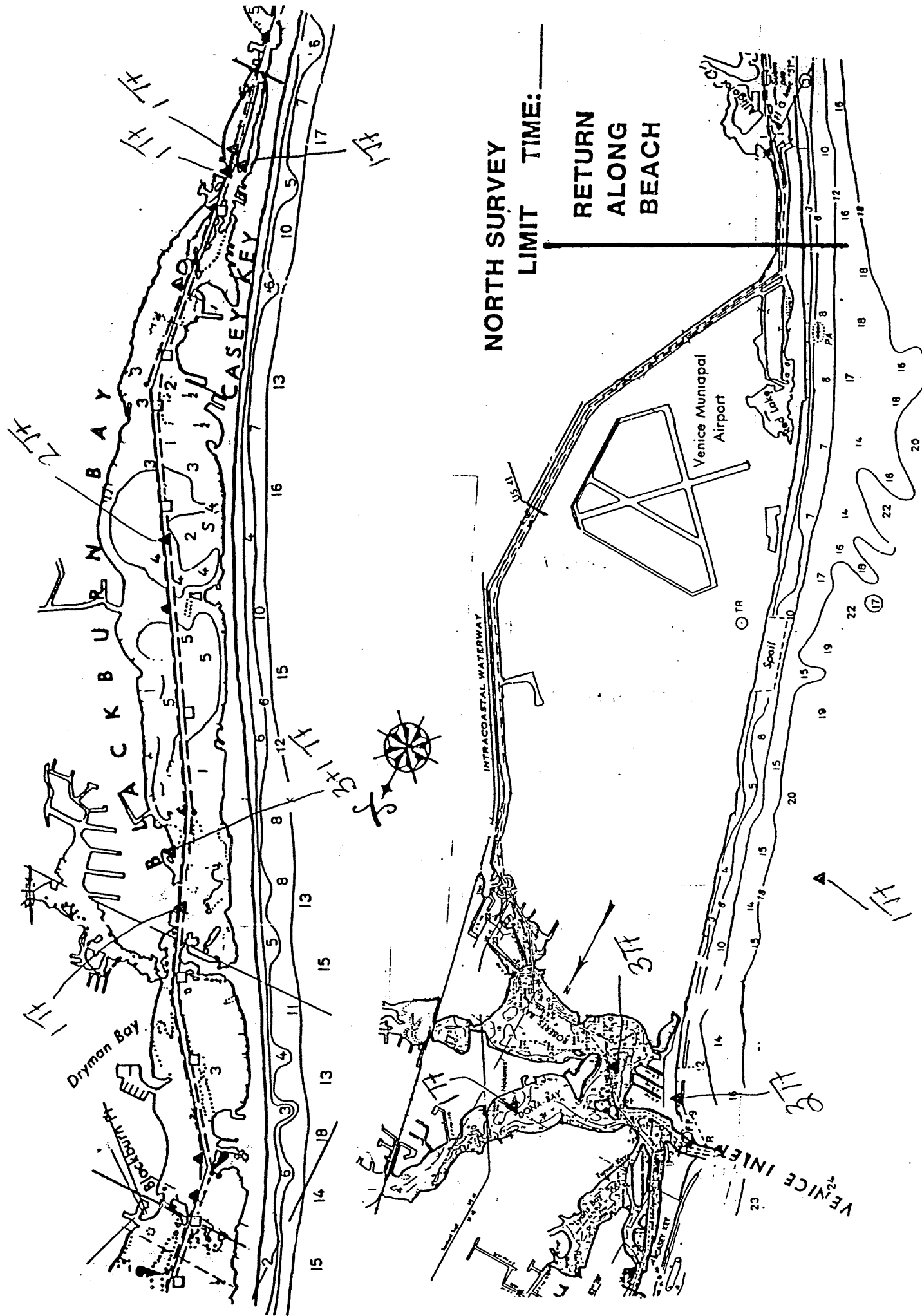
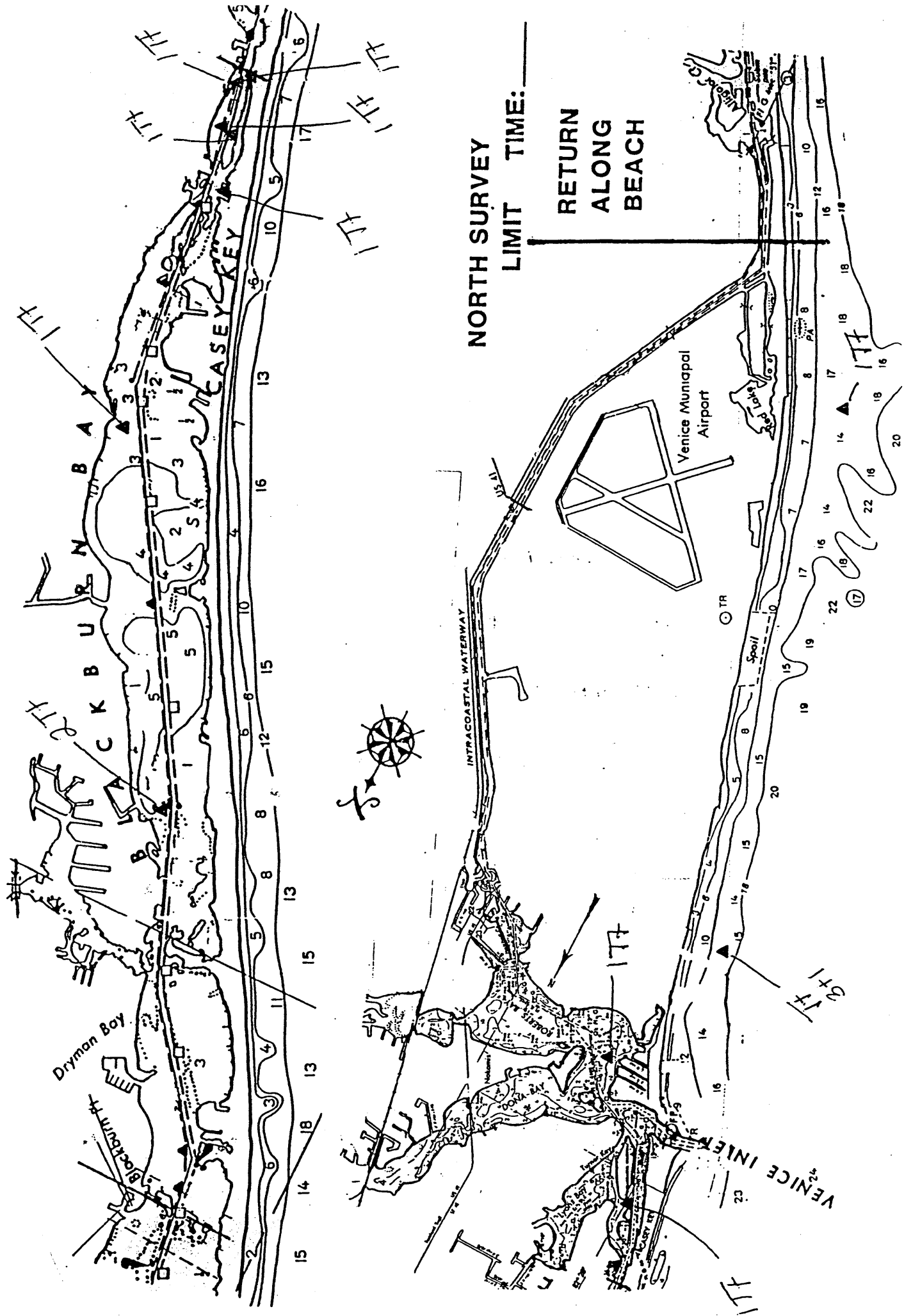


Figure 23. Compilation of August, dolphin aerial survey data, for the past five years in the Venice Inlet area.



**Figure 24.** Compilation of September, dolphin aerial survey data, for the past five years in the Venice Inlet area.

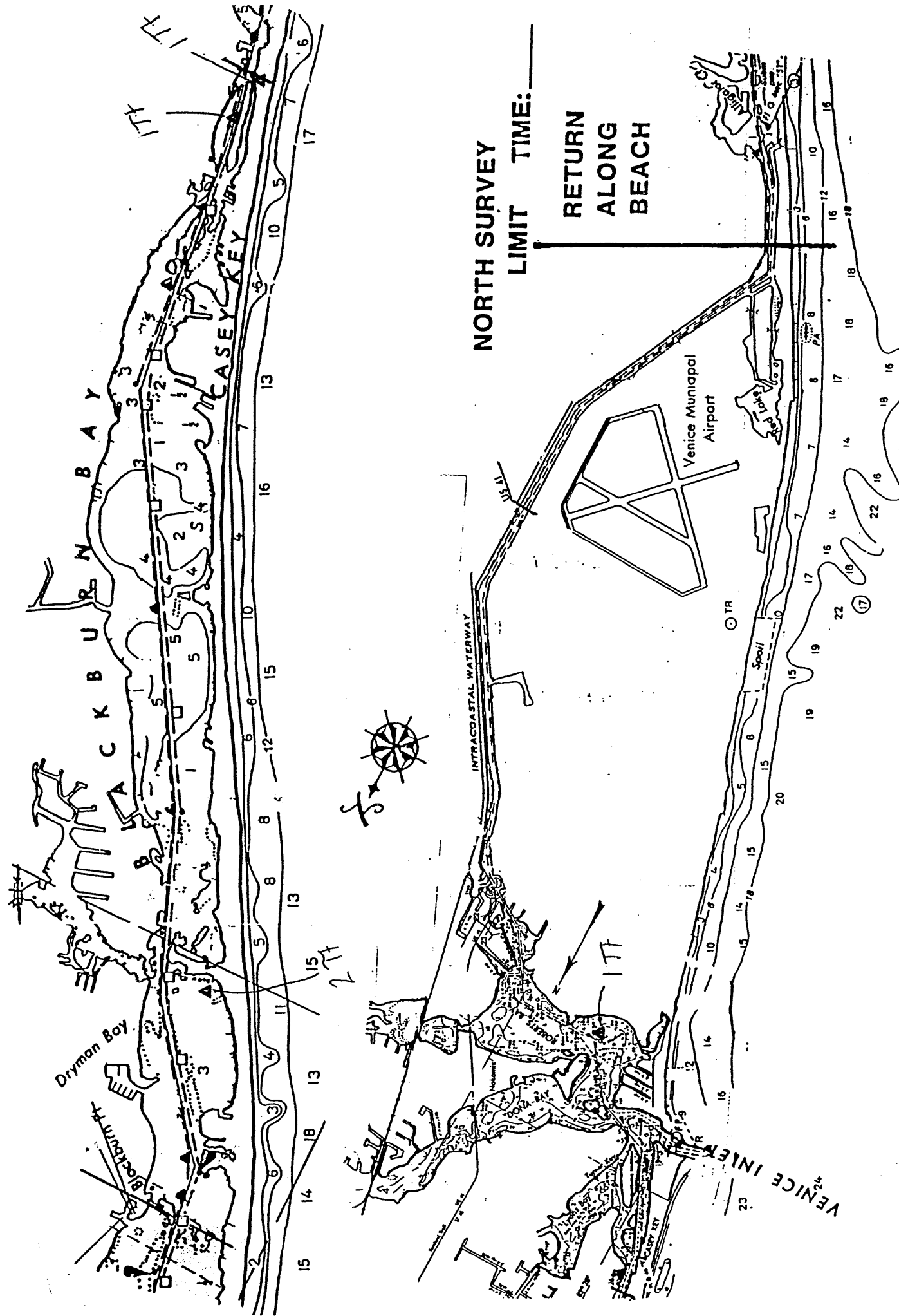


Figure 25. Compilation of October, dolphin aerial survey data, for the past five years in the Venice Inlet area.

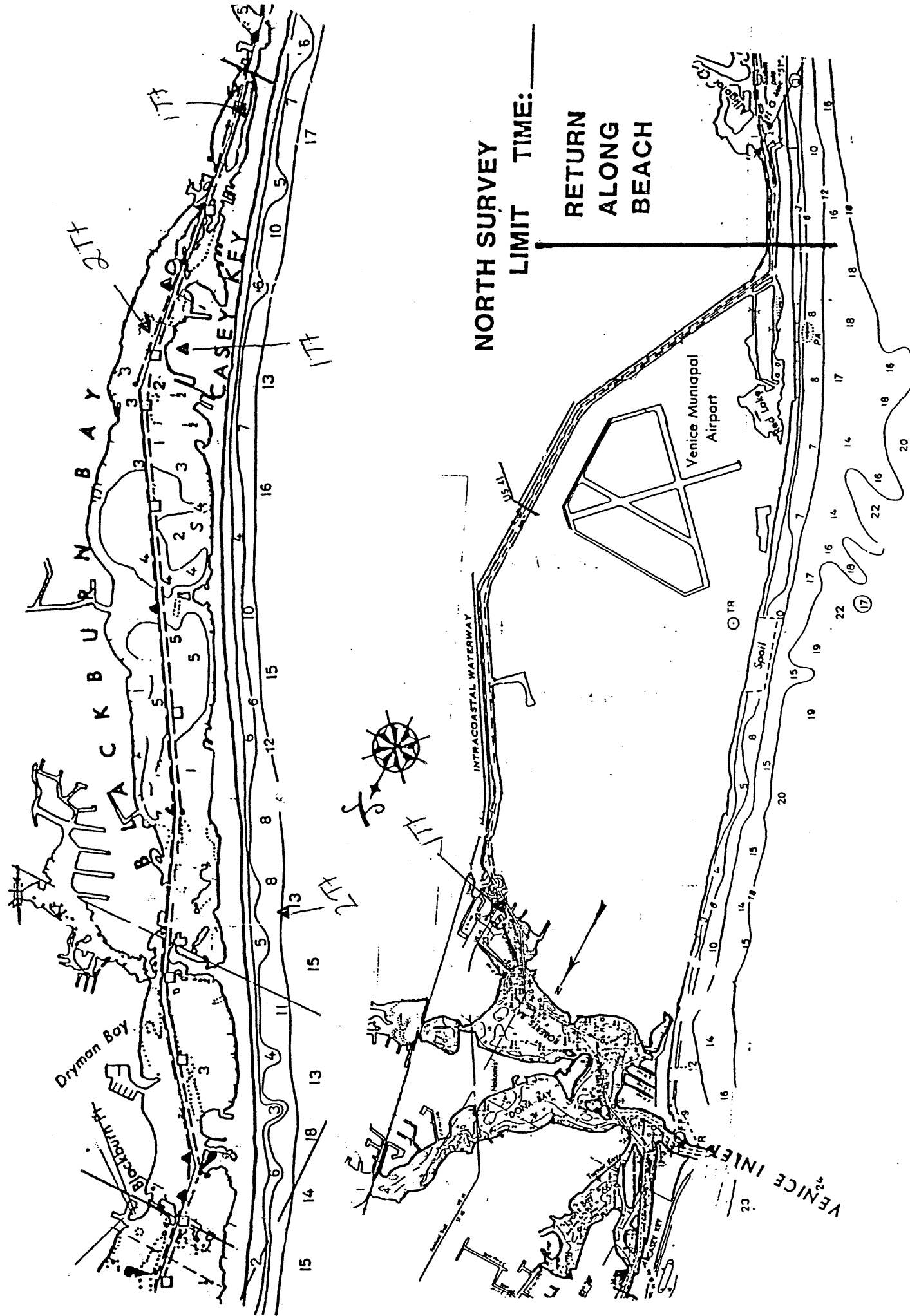




Figure 26. Compilation of November, dolphin aerial survey data, for the past five years in the Venice Inlet area.

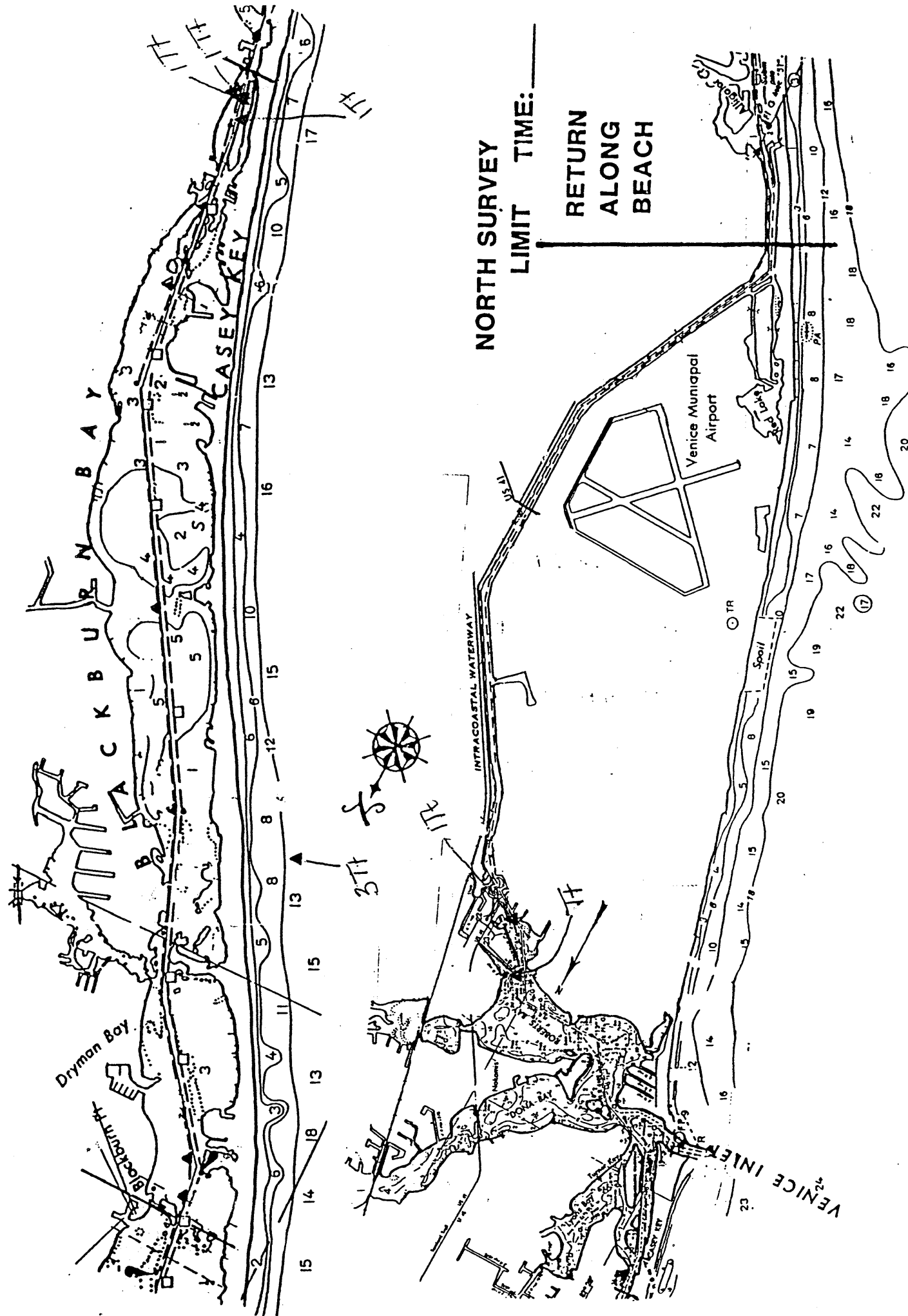
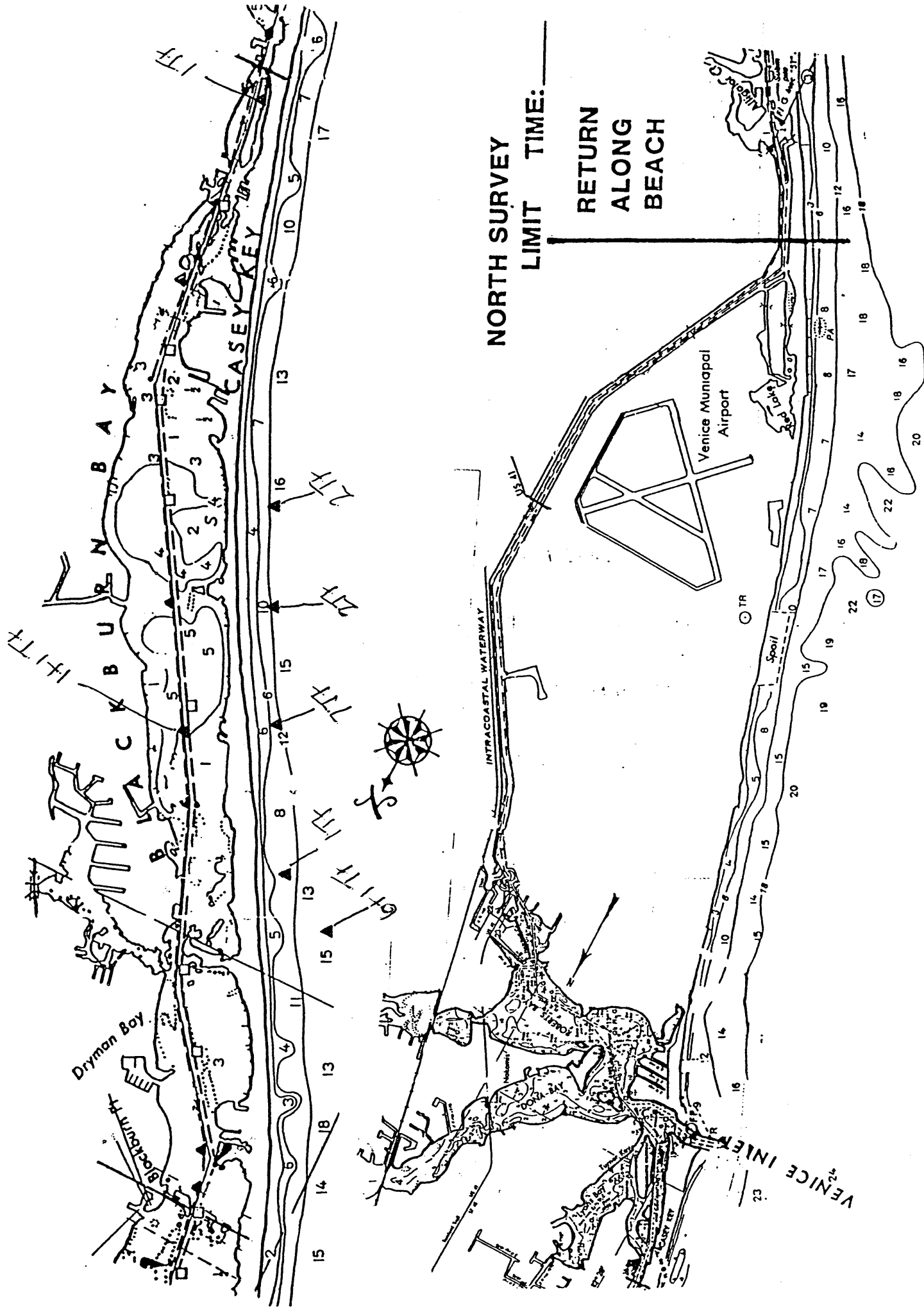


Figure 27. Compilation of December, dolphin aerial survey data, for the past five years in the Venice Inlet area.



# VENICE, FL SARASOTA CO.

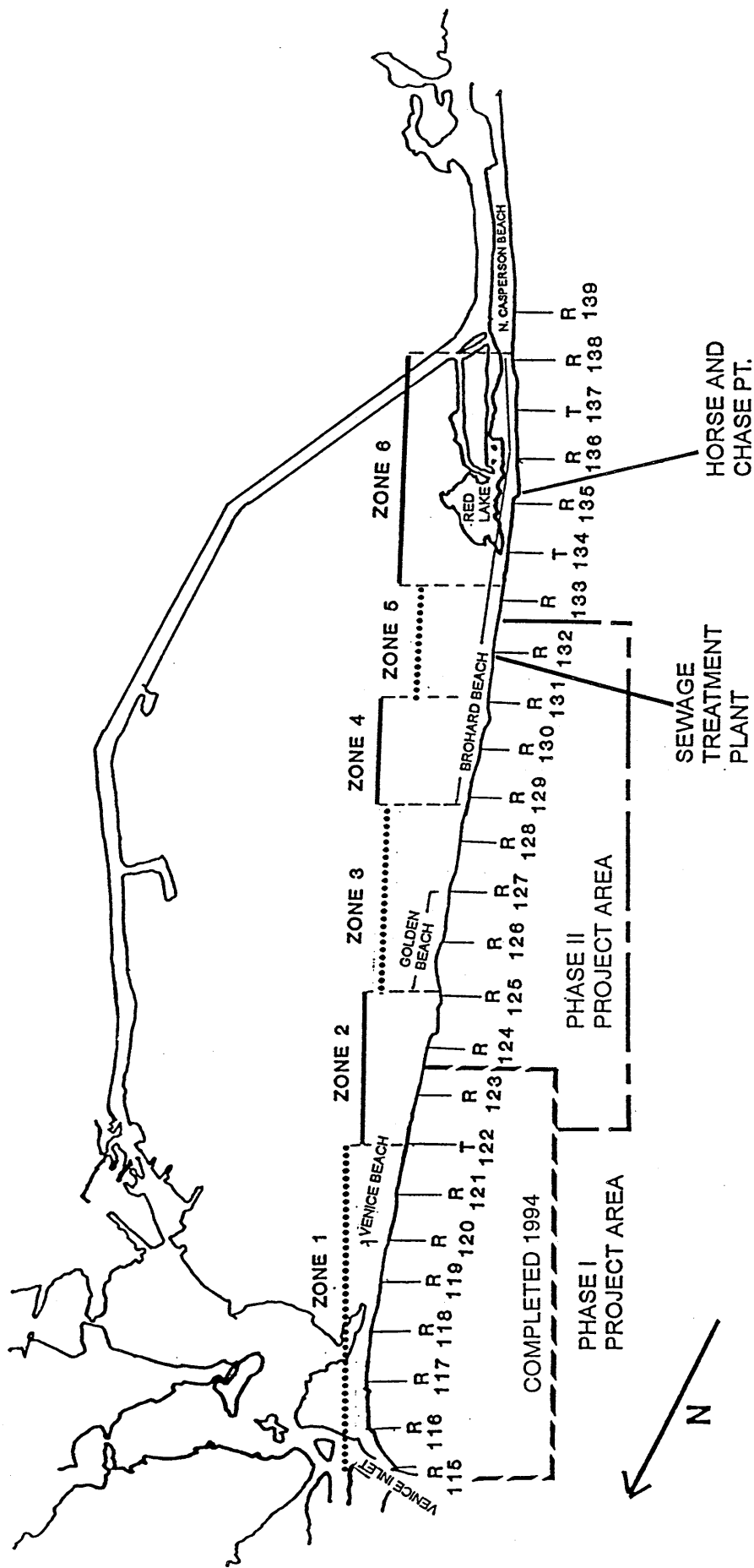


Figure 28. Map of the turtle nesting monitoring area south of Venice Inlet, beginning at the Venice Jetties at approximately FLDNR Coastal Construction Control Line survey profile monument R-115 and proceeding south through North Casperson Beach at monument R-138.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NESTING SURVEY REPORTING FORM FOR 1996

Principal Permit Holder: <b>JEARIS FOOTE</b>		Permit Number: <b>028</b>	
Beach Name: <b>VENICE BCHS</b>			
	<i>C. caretta</i> (Loggerhead)	<i>C. mydas</i> (Green Turtle)	<i>D. coriacea</i> (Leatherback)
Total # of Nests	263	0	0
Total # of Non-Nesting Emergences (False Crawls)	372	0	0
Date (month and day) of First Documented Nest	5/18/96		
Date (month and day) of Last Documented Nest	8/15/96		
<p><b><i>In situ</i> Nest Data:</b> <i>In situ</i> nests are those left where the turtle deposited the clutch. <i>In situ</i> nests may be left without additional protection, screened with a self-releasing flat screen, or covered with self-releasing or restraining above-ground cages. Record the number of nests by category and species. For each species, rows a + b + c + d should equal the total # of nests left <i>in situ</i>. Please check to make sure this is the case.</p>			
Total # of Nests Left <i>in situ</i> (a + b + c + d)	231		
(a) # of <i>in situ</i> Nests without Additional Protection	162		
(b) # of <i>in situ</i> Nests with Self-Releasing Flat Screen	0		
(c) # of <i>in situ</i> Nests with Self-Releasing Cage	62		
(d) # of <i>in situ</i> Nests with Restraining Cage	7		
<p><b>Relocated Nest Data:</b> Relocated nests are those where the clutch is removed from its original site of deposition and reburied at another site. These nests may be relocated to individual sites or as a group to a hatchery (a permanent or semi-permanent fenced or caged area where many nests are re-buried as a group). As with <i>in situ</i> nests, relocated nests may be left without additional protection, covered with a self-releasing flat screen, or covered with self-releasing or restraining above-ground cages. Hatcheries may be self-releasing (hatchlings escape unaided) or restraining (hatchlings cannot escape unaided). Record the number of nests by category and species. For each species, rows a + b + c + d + e + f should equal the total # of relocated nests. Please check to make sure this is the case.</p>			
Total # of Relocated Nests (a + b + c + d + e + f)	32		
(a) # of Relocated Nests without Additional Protection	20		
(b) # of Relocated Nests with Self-Releasing Flat Screen	0		
(c) # of Relocated Nests with Self-Releasing Cage	6		
(d) # of Relocated Nests with Restraining Cage	6		
(e) # of Relocated to Self-Releasing Hatchery	0		
(f) # of Relocated to Restraining Hatchery	0		

DEP/DMR/FMRT; Revised 10/95 (NESTSUMP.FRM)

**Exhibit 1.** Copy of the Florida Department of Environmental Protection Nesting Survey Reporting Form for 1996.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION - NEST SUCCESS REPORTING FORM FOR 1996  
SPECIES: *Caretta caretta* (Loggerhead)

PRINCIPAL PERMIT HOLDER:	BEACH NAME:	PERMIT NUMBER:									
SERRIS FOOTC	VENICE BUNTS	028									
TOTAL # OF NESTS	# OF NESTS MARKED TO EVALUATE	# OF MARKED NESTS DEPREDATED	# OF NESTS ACTUALLY EVALUATED	# OF EGGS IN EVALUATED NESTS	# OF HATCHLINGS EMERGED	# OF LIVE HATCHLINGS IN NEST	# OF DEAD HATCHLINGS IN NEST	# OF PIPPED LIVE	# OF PIPPED DEAD	# OF UNHATCHED EGGS	# OF DEPREDATED EGGS
162	153	4	149	15301	11789	482	92	35	233	2590	80
0											
7	7	0	7	710	576	31	0	0	1	102	0
62	62	3	62	6214	3474	112	146	3	210	2269	0
20	20	0	20	2158	1622	146	31	1	67	291	0
0											
6	6	0	6	607	467	53	1	0	9	77	0
6	6	0	6	635	335	17	6	6	21	245	5
0											
0											
N/A											
DEP USE ONLY											

DEFINITION OF TERMS:

IN SITU: CLUTCH WAS NOT RELOCATED FROM THE ORIGINAL SITE OF DEPOSITION  
RELOCATED: CLUTCH WAS RELOCATED FROM THE ORIGINAL SITE OF DEPOSITION  
SELF-RELEASING: A SCREEN, CAGE, OR HATCHERY THROUGH WHICH HATCHLINGS ESCAPE UNAIDED  
RELEASING: A SCREEN, CAGE, OR HATCHERY THAT DOES NOT ALLOW HATCHLINGS TO ESCAPE UNAIDED  
HATCHERY: A FENCED OR CAGED AREA WHERE MANY NESTS ARE REBURIED  
PIPPIED: HATCHLING BROKEN THROUGH EGG SHELL BUT NOT COMPLETELY FREE OF EGG SHELL, NOT A HATCHED EGG

ADDITIONAL INFORMATION FOR SOME COLUMN HEADINGS:

# OF MARKED NESTS DEPREDATED: COUNT ONLY THOSE DEPREDATED BY NON-HUMAN PREDATORS  
# OF EGGS IN EVALUATED NESTS: DIRECT COUNT IN RELOCATED NESTS, COUNT EGG SHELLS OF IN SITU NESTS  
# OF HATCHLINGS EMERGED: COUNT ONLY THOSE EMERGED UNAIDED (PRIOR TO NEST EVALUATION)  
# OF UNHATCHED EGGS: COUNT ONLY WHOLE, UNPIPPIED EGGS  
# OF DEPREDATED EGGS: IT IS IMPORTANT TO INCLUDE DATA FROM AS MANY NESTS THAT WERE ORIGINALLY MARKED FOR NEST SUCCESS EVALUATIONS AS POSSIBLE, EVEN IF A MARKED NEST IS PARTIALLY OR COMPLETELY DEPREDATED. IF A REASONABLY ACCURATE COUNT OF DEPREDATED EGGS CAN BE MADE (FROM FRESHLY DEPREDATED NESTS ONLY), PLEASE INCLUDE THAT DATA IN THIS NEST SUCCESS REPORTING FORM.

IMPORTANT: THE # OF HATCHLINGS EMERGED + # OF LIVE HATCHLINGS IN NEST + # OF DEAD HATCHLINGS IN NEST + # OF DEPREDATED EGGS SHOULD EQUAL THE # OF EGGS IN EVALUATED NESTS. PLEASE CHECK TO MAKE SURE THIS IS THE CASE.

EGGS BROKEN BY TURPLE WHILE COVERING / NOT PREP.

## APPENDIX II

### **Coordination Letters**



United States Department of the Interior  
FISH AND WILDLIFE SERVICE  
P.O. BOX 2676  
VERO BEACH, FLORIDA 32961-2676

November 20, 1996

**RECEIVED**

NOV 22 1996

**LOTSPEICH AND ASSOC. INC.**

Ann M. Hague  
Director of Operations  
Lotspeich and Associates, Inc.,  
422 West Fairbanks Avenue, Suite 201  
Winter Park, FL 32789

Dear Ms. Hague:

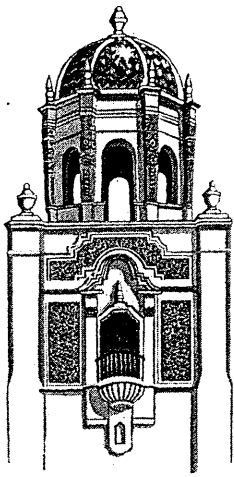
Thank you for your letter of October 25, 1996, requesting information on federally listed species and critical habitat potentially present in Sections 1 and 12, Township 39S, Range 18E, in Sarasota County, Florida. We understand that you are requesting this information to aid in project planning for the proposed maintenance dredging of the Intracoastal Waterway, in the vicinity of the Venice Inlet.

The U.S. Fish and Wildlife Service (FWS) has reviewed the information in your letter as well as information available to us on the presence of threatened or endangered species at the project site. Our records indicate there have been at least five West Indian manatee (*Trichechus manatus latirostris*) mortalities of unknown cause documented within 6,000 feet of the proposed project, therefore, this species may be affected. There is no designated critical habitat for the manatee in the vicinity of the project site, therefore, none will be affected.

On November 19, 1996, FWS biologist Spencer Simon contacted Sue Peck of your office asking for clarification of the project limits. We learned that spoil from the proposed dredging may be used for beach nourishment. If this becomes the case, we recommend that the spoil be sampled for potential contaminants and analyzed for soil structure before deposition. This will guard against contaminating potential nesting sites or creating unfavorable nesting conditions for shorebirds and sea turtles.

We have provided for your consideration a list of species that are protected as either threatened or endangered under the Endangered Species Act (16 U.S.C. 1531 *et seq.*), as well as candidates for listing which may be present on or near the project site. Since this list does not include State-listed species, the Florida Game and Fresh Water Fish Commission should be contacted to identify those species potentially present in the vicinity.

In addition, we are providing you with a list of species that we would consider during our review of any proposal associated with this project. This list represents species that the FWS is required to protect and conserve under other authorities, such as Fish and Wildlife Coordination Act (16 U.S.C. 661 *et seq.*) and the Migratory Bird Treaty Act (16 U.S.C. 701 *et seq.*). We are providing



**SARASOTA COUNTY GOVERNMENT  
SARASOTA, FLORIDA**

**Natural Resources Department**

P.O. Box 8  
Sarasota, Florida 34230  
1301 Cattlemen Road, Bldg. A  
Sarasota, Florida 34232  
Telephone (813) 378-6113  
FAX (813) 378-6067

April 18, 1995

David Garland, CESAJ-CO-ON  
US Army Corps of Engineers  
Post Office Box 4970  
Jacksonville, Florida 32232-0019

Dear Mr. Garland:

Sarasota County respectfully requests your agency's assistance in an upcoming public information workshop. Enclosed please find a flier and agenda pertaining to this meeting. The purpose of the workshop is to provide information on the routine responsibilities that various agencies have concerning this spoil island and the adjacent waters. It would be helpful for you to give a brief presentation (10 mins.) on the Corp's role in channel maintenance and use of the island for placement of dredged material over the years. Any historical data that you can find on why the island is located and configured as it is, would also be informative.

Representatives from the Florida Marine Patrol, the Sarasota County Sheriff's Office, and the Venice Police Department will also provide brief presentations on their respective responsibilities and common enforcement issues regarding the island and adjacent waters.

Input from the West Coast Inland Navigation District (WCIND) and the public will also be requested. We want to know the current use of the island and what the public wants to continue using it.

Sarasota County is gathering all the affected parties in a public meeting to provide input on the island's future management. Snake Island is owned by WCIND, leased to the COE for placement of dredged material from channel maintenance, and used by the public for recreation.

Thank you in advance for your cooperation.

Sincerely,

Belinda Perry  
Environmental Supervisor

xc: Bill Fonferek





# ***SNAKE ISLAND PUBLIC WORKSHOP***

***Monday, May 1, 1995***

## **WHAT**

Sarasota County's Natural Resources and Recreational Advisory Board is sponsoring a public information workshop on Snake Island. Representatives from the West Coast Inland Navigation District, U.S. Army Corps of Engineers and marine law enforcement will discuss their responsibilities regarding this island. You are invited to provide input on how you use the island and what you want to continue using it.

## **WHERE**


Venice Community Center  
326 S. Venice Avenue  
Venice, FL 34285

## **TIME**

4 PM

## **FOR MORE INFO**

Contact Belinda Perry  
Sarasota County Natural Resources Department  
378-6113



# **NATURAL RESOURCES AND RECREATIONAL ADVISORY BOARD AGENDA**

## **Special Workshop Snake Island**

**VENICE COMMUNITY CENTER  
326 S. VENICE AVENUE  
VENICE, FLORIDA  
May 1, 1995  
4:00 p.m.**

- I. Call to Order at 4:00 p.m.
- II. Roll Call
- III. Snake Island Public Information Workshop
  - A. Workshop Overview - Belinda Perry
  - B. WCIND Responsibilities - Charles Listowski
  - C. U.S. Army Corps of Engineers Responsibilities - David Garland
  - D. Marine Law Enforcement Responsibilities
    - 1. Florida Marine Patrol
    - 2. Sarasota County Sheriff's Office
    - 3. Venice Police Department
  - E. Open to the Public

## APPENDIX III

### **Florida Coastal Zone Management Program Federal Consistency Determination**

**Florida Coastal Zone Management Program  
Federal Consistency Determination Procedures**

1. Chapter 161, Beach and Shore Preservation.

The intent of the coastal construction permit program established by this chapter is to regulate construction projects located seaward of the line of mean high water and which might have an effect on natural shoreline processes.

Response: A portion of the proposed action involves the placement of dredged material on the beach areas south of the Inlet. Construction would not occur seaward to the Coastal Construction Control Line (CCCL) and the proposed action would be in compliance with this chapter.

2. Chapters 186 and 187, State and Regional Planning.

These chapters establish the State Comprehensive Plan which sets goals that articulate a strategic vision of the State's future. Its purpose is to define, in a broad sense, goals and policies that provide decision-makers directions for the future and provide long-range guidance for an orderly social, economic, and physical growth.

Response: The proposed work has been planned with the cooperation of the State and will be coordinated with relevant agencies.

3. Chapter 252, Disaster Preparation, Response and Mitigation.

This chapter creates a State emergency management agency, with authority to provide for the common defense; to protect the public peace, health and safety; and to preserve the lives and property of the people of Florida.

Response: This chapter is not applicable to the Inlet Dredging Project.

4. Chapter 253, State Lands.

This chapter governs the management of submerged State lands and resources within State lands. This includes archeological and historic resources; water resources; fish and wildlife resources; beaches and dunes; submerged grass beds and other benthic communities; swamps, marshes and other wetlands; mineral resources; unique natural features; submerged lands; spoil islands; and artificial reefs.

Response: The project has been planned with the technical advice of the Florida Department of Environmental Protection (FDEP) and other State of Florida

agencies. The project would comply with pertinent State regulations and the intent of this chapter.

5. Chapters 253, 259, 260, and 375, Land Acquisition.

This chapter authorizes the State to acquire land to protect environmentally-sensitive areas.

Response: There are environmentally-sensitive lands within the project boundaries. However, this project does not interfere with the authority set forth in this chapter.

6. Chapter 258, State Parks and Aquatic Preserves.

This chapter authorizes the State to manage State parks and preserves. Consistency with the statute would include consideration of projects that would directly or indirectly adversely impact park property, natural resources, park programs, management, or operations.

Response: This project is not located within a close enough proximity of any State park or preserve to have a foreseeable impact.

7. Chapter 267, Historic Preservation.

This chapter establishes the procedures for implementing the Florida Historic Resources Act responsibilities.

Response: This project will be coordinated with the Florida State Historic Preservation Officer. Historic preservation compliance will be completed to meet all responsibilities under Chapter 267.

8. Chapter 288, Economic Development and Tourism.

This chapter directs the State to provide guidance and promotion of beneficial development through encouraging economic diversification and promoting tourism.

Response: Contribution from the project area will not be compromised by this action. The associated maintenance dredging of the Intracoastal Waterway encourages commercial and recreational use of the area, which is consistent with the goals of this chapter.

9. Chapters 334 and 339, Public Transportation.

This chapter authorizes the planning and development of a safe, balanced, and efficient transportation system.

Response: There will be no impacts to public transportation systems associated with this action. The associated maintenance dredging of the Intracoastal Waterway encourages commercial and recreational navigation within the area.

#### 10. Chapter 370, Saltwater Living Resources.

This chapter directs the State to preserve, manage, and protect the marine, crustacean, shell, and anadromous fishery resources in State waters; to protect and enhance the marine and estuarine environment; to regulate fishermen and vessels of the State engaged in the taking of such resources within or without State waters; to issue licenses for taking and processing products of fisheries; to secure and maintain statistical records of the catch of each such species; and to conduct scientific, economic, and other studies and research.

Response: Based upon the overall impacts of this work, this project is consistent with the goals of this chapter.

#### 11. Chapter 372, Living Land and Freshwater Resources.

This chapter establishes the Florida Game and Fresh Water Fish Commission and directs it to manage freshwater aquatic life and wild animal life and their habitat to perpetuate a diversity of species with densities and distributions which provide sustained ecological, recreational, scientific, educational, aesthetic, and economic benefits.

Response: Coordination with Florida Game and Fresh Water Fish Commission will determine if this action is consistent with State policies and practices as set forth in this chapter.

#### 12. Chapter 373, Water Resources.

This chapter provides the authority to regulate the withdrawal, diversion, storage, and consumption of water.

Response: This work does not involve water resources as described in this chapter.

#### 13. Chapter 376, Pollutant Spill Prevention and Control.

This chapter regulates the transfer, storage, and transportation of pollutants and the cleanup of pollutant discharges.

Response: This action does not involve the transportation, storage or discharging of pollutants. Environmental protection measures will be employed during construction and operation of the site to avoid inadvertent spills or other

sources of pollution. Therefore, this action will be in compliance with this chapter.

14. Chapter 377, Oil and Gas Exploration and Production.

This chapter authorizes the regulation of all phases of exploration, drilling, and production of oil, gas, and other petroleum products.

Response: This work does not involve the exploration, drilling, or production of oil, gas, or other petroleum product and, therefore, does not apply.

15. Chapter 380, Environmental Land and Water Management.

This chapter establishes criteria and procedures to assure that local land development decisions consider the regional impact nature of proposed large-scale development.

Response: The proposed maintenance dredging of the Inlet project area is consistent with the intent of this chapter.

16. Chapter 388, Arthropod Control.

This chapter provides for a comprehensive approach for abatement or suppression of mosquitoes and other pest arthropods within the state.

Response: The work would not further the propagation of mosquitoes or other pest arthropods.

17. Chapter 403, Environmental Control.

This chapter authorizes the regulation of pollution of the air and waters of the State by the FDEP.

Response: Water quality certification from the FDEP will be required for this project. No air pollution permits are required for the project. Effects of the operation of construction equipment on air quality will be minor and conform to State of Florida emission standards. Therefore, the work will comply with this chapter.

18. Chapter 582, Soil and Water Conservation.

This chapter establishes policy for the conservation of the State soil and water through the Department of Agriculture. Land use policies will be evaluated in terms of their tendency to cause or contribute to soil erosion, or to conserve, develop, and utilize soil and water

resources both on-site or in adjoining properties affected by the work. Particular attention will be given to work on or adjacent to agricultural lands.

Response: This project is not located on or adjacent to agricultural lands and, therefore, complies with the intent of this chapter.



## APPENDIX IV

### **ENDANGERED SPECIES CONSULTATION**